



April 30, 2001

Mr. Femi Akindele  
Residual Project Manager  
Kentucky/Tennessee Section  
U.S. Environmental Protection Agency  
Region IV  
61 Forsyth Street  
Atlanta, GA 30303

**Re: Report of Field Observation – FY01 - Third Quarter (FY01-3Q)  
Lees Lane Superfund Site, Jefferson County, Kentucky,  
Administrative Order on Consent, USEPA Docket No-91-32-C**

Dear Mr. Akindele

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site. I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No FY01-3Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY01-3Q.

Sincerely,

Richard H. Watkins, Sr.  
Special Assistant to Director of Maintenance  
RHW/rw

Lees-01-3Q

Enc.

cc: Kentucky National Resource Environment Protection Cabinet  
Mr. Rick Hogan, Division of Waste Management  
G. R. Garner, Executive Director  
D. B. Johnson, Director of Maintenance  
Lees Lane File



10862991

**REPORT OF FIELD OBSERVATION**  
**LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

**Observation Report No.: FY01-3rdQ      Date of Observation: 03/30/01**

**Instruction:**    If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

**Comment No.:**

**Comment**

- |     |   |
|-----|---|
| A-4 | Observed rutting on the gravel road leading to gas collection Well No. 5. Small depressed area on access road between benchmark 3 and 4 near the northern portion of the site.  |
| B-2 | Observed Putnam Avenue barricade remains painted and unchanged from previous quarterly institutional inspections. Landfill site and flood protection levee areas intrusion by ATV's from wooded areas adjacent to the Putnam Avenue barricade continues to decrease, however, is still noticeable. The landfill site and flood protection levee continues to receive surveillance by the Jefferson County Police. Vegetation along the access road to the Putnam Avenue barricade remains cut back. |
| C-7 | Observed moisture trap No. 19, concrete collar has settled and need to be reset.  |

**Comment No.**

**Corrective Action Performed**

- |     |  |
|-----|--|
| A-4 | Grading of gravel on the access road leading to Well No. 5 to fill rutted areas by the end FY01-3Q. Consider placement of fill sand and earthen backfill in depressed area of access road; provide surface layer of 610 stone and dense grade aggregate for a driving surface.   |
| B-2 | Putnam Avenue barricade will continue to be monitored during future quarterly institutional inspections. Replacement of needed "No Trespass - Keep Out" signs at strategic locations along the access roads and Mill Creek cut-off channel in continued effort to discourage ATV intrusions and trespass into the landfill and levee area sites. |
| C-7 | Schedule resetting of disturbed collar for moisture trap No.19 prior to FY01-4Q institutional inspection.  |

**Comment No.:****Comment**

- C-8 Observed covers missing for moisture traps 25, 26, and 27.
- D-2 Observed two guardrails had been re-damaged at Gas Monitoring Well No. G-3.
- E-7 Observed limited dead vegetative growth in the riprap areas adjacent to clay cap and riprap drainage channels.
- E-8 Small amounts of trash and debris build-up on the riprap area from prior observations. Trespassers continue to utilize the debris as fuel for small fires, thereby eliminating the necessity to remove the debris from the riprap area.
- F-5 Observed small amount of standing water at the upstream inlet of culvert pipe crossing under the asphalt access road. Condition of shale drainage swale appears to be satisfactory, continued evidence of siltation at the outlet of culvert pipe.

**Comment No.****Corrective Action Performed**

- C-8 Obtain and install replacement covers for moisture traps 25,26, and 27 prior to end of FY01-4Q.
- D-2 Schedule repair welding and painting of guardrails around Gas Monitoring Well No. G-3 prior to end of FY01-4Q.
- E-7 Schedule independent contractor to spray riprap area adjacent to the clay cap during FY01-4Q in order to control re-growth of vegetation.
- E-8 Action not required at this time.
- F-5 Continue to monitor shale drainage swale at quarterly institutional inspections. Create positive drainage of culvert pipe crossing under asphalt access road with limited re-grading of shale drainage swale during FY01-4Q to reduce siltation.

3rdQ

REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: EY01-030 Date of Observation: 03/30/01  
Time Arrived Onsite: 09:35 AM Time Departed Site: 11:52AM  
Field Personnel: RICHARD D. H. WATKINS, SPECIAL ASSISTANT TO DIRECTOR

Section A: General Site Conditions

| Observation:  | Yes*      | No        | Not<br>Observed | Comment<br>No. |
|---|-----------|-----------|-----------------|----------------|
| 1. Major settlement of topsoil<br>or erosion exposing waste/<br>fill material | —         | <u>XX</u> | —               | —              |
| 2. Evidence of leachate seepage   | —         | <u>XX</u> | —               | —              |
| 3. Distressed Vegetation  | —         | <u>XX</u> | —               | —              |
| 4. Pot holes, erosion of access<br>road                                       | <u>XX</u> | —         | —               | <u>A-4</u>     |

Section B: Institutional Controls

| Observation:   | Yes* | No        | Not<br>Observed | Comment<br>No. |
|--|------|-----------|-----------------|----------------|
| 1. Structural problem with Lee's<br>Lane gate or barricade | —    | <u>XX</u> | —               | —              |
| 2. Structural problem with<br>Putman Ave. barricade        | —    | <u>XX</u> | —               | <u>R-2</u>     |
| 3. Lee's Lane gate unlocked                                | —    | <u>XX</u> | —               | —              |
| 4. Broken or missing lock                                  | —    | <u>XX</u> | —               | —              |

Section C: Gas Collection System

| Observation:  | Yes* | No        | Not<br>Observed | Comment<br>No. |
|---|------|-----------|-----------------|----------------|
| 1. Vandalism to blower house,<br>wells, or moisture traps | —    | <u>XX</u> | —               | —              |
| 2. Structural damage to blower<br>house                   | —    | <u>XX</u> | —               | —              |
| 3. Blower not operating or<br>visible damage              | —    | <u>XX</u> | —               | —              |
| 4. Blower house not secure and<br>unclean                 | —    | <u>XX</u> | —               | —              |

| Observation:  |      |    | Not<br>Observed | Comment<br>No. |
|---|------|----|-----------------|----------------|
|   | Yes* | No |                 |                |
| 5. Service box lids not in place                                  | —    | XX | —               | —              |
| 6. Alarm and blower controls not functioning                      | —    | XX | —               | —              |
| 7. Settlement or tilting of well/moisture trap concrete collars   | XX   | —  | —               | C-7            |
| 8. Well/moisture trap covers missing or damaged                   | XX   | —  | —               | C-8            |
| 9. Excessive vegetation covering wells/moisture traps             | —    | XX | —               | —              |
| 10. Adjustment valve inaccessible                                 | —    | XX | —               | —              |
| 11. Well/moisture trap caps, plugs, and piping missing or damaged | —    | XX | —               | —              |
| 12. Blower house and well/moisture trap signs missing or damaged  | —    | XX | —               | —              |

#### Section D: Groundwater & Gas Monitor Wells

| Observation:  |      |    | Not<br>Observed | Comment<br>No. |
|---|------|----|-----------------|----------------|
|   | Yes* | No |                 |                |
| 1. Wells unlocked   | —    | XX | —               | —              |
| 2. Guard posts and rails missing or damaged                         | XX   | —  | —               | D-2            |
| 3. Protective casing missing, damaged or rusted                     | —    | XX | —               | —              |
| 4. Concrete pads damaged or cracked                                 | —    | XX | —               | —              |
| 5. Possible surface water infiltration into wells                   | —    | XX | —               | —              |
| 6. Excessive vegetation or debris around wells                      | —    | XX | —               | —              |
| 7. Well cap missing or damaged                                      | —    | XX | —               | —              |
| 8. Tubing, fittings, and valves missing or damaged (gas wells only) | —    | XX | —               | —              |

# Section E: Bank Protection Controls

| Observation:                                    | Yes* | No | Not Observed | Comment No. |
|---|------|----|--------------|-------------|
| 1. Subsidence of slope, sloughing or caving     | —    | XX | —            | —           |
| 2. Erosion of rip-rap or underlying material    | —    | XX | —            | —           |
| 3. Abnormally damp areas, wet ground vegetation | —    | XX | —            | —           |
| 4. Soft spots in surface                        | —    | XX | —            | —           |
| 5. Seepage, water flow, piping, or sand boils   | —    | XX | —            | —           |
| 6. Undermining of rip-rap                       | —    | XX | —            | —           |
| 7. Vegetative growth on rip-rap slope           | XX   | —  | —            | E-7         |
| 8. Buildup of trash and debris on rip-rap       | XX   | —  | —            | E-8         |
| 9. Exposed trash or filter fabric               | —    | XX | —            | —           |
| 10. Tilting trees                               | —    | XX | —            | —           |
| 11. Tension cracks                              | —    | XX | —            | —           |
| 12. Survey monuments missing or damaged         | —    | XX | —            | —           |

# Section F: Surface Waste Cleanup/Cover

| Observation:   | Yes* | No | Not Observed | Comment No. |
|--|------|----|--------------|-------------|
| 1. Swales greater than 1 foot wide and 2 inches deep                               | —    | XX | —            | —           |
| 2. Cracks greater than 1 inch wide and 6 inches deep                               | —    | XX | —            | —           |
| 3. Areas of erosional damage to grass  | —    | XX | —            | —           |
| 4. Inadequate grass cover (area > 36 ft <sup>2</sup> )                             | —    | XX | —            | —           |
| 5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)            | XX   | —  | —            | F-5         |
| 6. Erosion or ponded water greater than 12 inches deep (requires immediate repair) | —    | XX | —            | —           |

\* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

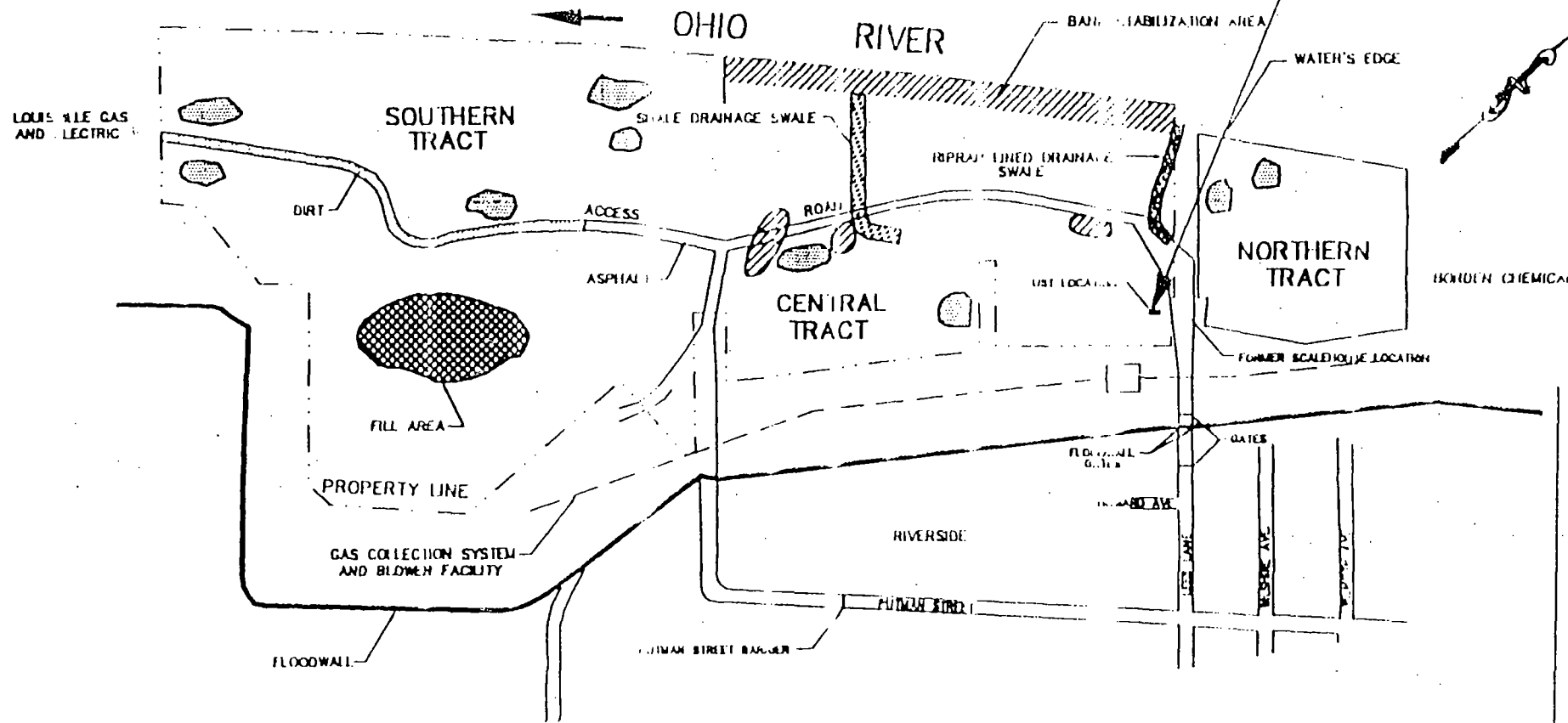
Observation Report No. \_\_\_\_\_ Date of Observation \_\_\_\_/\_\_\_\_/\_\_\_\_

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Site Map

Signature of Observer: \_\_\_\_\_ Date: \_\_\_\_\_

USE REMOVED FROM SITE BY MSD



# LEGEND

-  APPROXIMATE AREA OF DRUM REBURIAL DURING CERCLA REMOVAL
-  AREA OF SUBSIDENCE

DRAWING NOT TO SCALE  
SOURCE: RESOURCES APPLICATIONS, INC.

ARCS / LEE'S LANE LANDFILL  
LOUISVILLE, KENTUCKY

## FEATURE MAP

FIGURE 2-1

ROY F. VESTON, INC.



|         |      |            |      |            |
|---------|------|------------|------|------------|
| DRAWN   | DATE | DES. ENGR. | DATE | 2. CL. NO. |
| WRS     | 9/97 |            |      | 04400-083  |
| CHECKED | DATE | APPROVED   | DATE | DWG. NO.   |
|         |      |            |      | LEESL 2-1  |